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Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	Based on 09/678,656 728932
		Filing Date	October 4, 2000
		First Named Inventor	Toshimitsu KONUMA
		Group Art Unit	2871
		Examiner Name	Huyen Le Ngo
Sheet 1 of 3	Attorney Docket Number	0756-7221	

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
JN		4,239,345		Berremman et al.	12/16/80	
		4,272,162		Togashi et al.	06/09/81	
		5,258,135		Uchida et al.	11/02/93	
		5,637,672		Rieger et al.	06/10/97	
		5,462,621		Ishii	10/31/95	
		5,298,297		Takei	03/29/94	
		5,250,214		Kanemoto et al.	<del>10/15/93</del> 10/5/93	
		5,189,535		Mochizuki et al.	02/23/93	
		5,172,255		Brosig et al.	12/15/92	
		4,508,427		Ross	04/02/85	
		5,005,952		Clark et al.	04/09/91	
		5,495,355		Konuma	02/27/96	
		4,492,432		Kaufmann et al.	01/08/85	
		5,995,185		Konuma	11/30/99	

FOREIGN PATENT DOCUMENTS								
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		Office <sup>2</sup>	Number <sup>2</sup>	Kind Code <sup>2</sup> (if known)				
JN ↓ JN		JP	03-158823			07/08/91		Full
		JP	63-298220			12/06/88		Abst.
		JP	56-164320			12/17/81		Abst.
		JP	03-031821			02/12/91		Abst.
		JP	01-204025			08/16/89		Abst.

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Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>3</sup>
		Matumoto et al., "New Hybrid-Aligned Nematic Multicolor Liquid-Crystal Display," Oyo Buturi, Vol. 45, No. 1, pp. 853-856, 1976.	

Examiner Signature	Date Considered	10/15/04
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		Filing Date	October 4, 2000
		First Named Inventor	Toshimitsu KONUMA
		Group Art Unit	AUG 25 2004 2871
		Examiner Name	Huyen Le Ngo
Sheet 2 of 3	Attorney Docket Number	0756-7221	

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		Number	Kind Code <sup>2</sup> (if known)			
HN ↓ ✓ HN		4,965,017		Holmes et al.	10/23/90	
		5,013,137		Tsuboyama et al.	05/07/91	
		5,064,697		Takiguchi et al.	11/12/91	
		5,172,187		Brosig	12/15/92	
		5,194,973		Isogai et al.	03/16/93	
		5,250,214		Kanemoto et al.	10/05/93	
		5,200,238		McArdle et al.	04/06/93	
		4,596,446		Waters et al.	06/24/86	

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		Office <sup>2</sup>	Number <sup>3</sup>	Kind Code <sup>2</sup> (if known)				
HN		JP	52-063746			05/26/77		Full
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		JP	63-228125			09/22/88		Abst.
		JP	64-055537			03/02/89		Abst.
		JP	64-059325			03/07/89		Abst.
		JP	64-059326			03/07/89		Abst.
		JP	64-059322			03/07/89		Abst.
		JP	64-059324			03/07/89		Abst.
		JP	64-059323			03/07/89		Abst.
		JP	64-059328			03/07/89		Abst.
		JP	64-059327			03/07/89		Abst.
		JP	04-149516			05/22/92		Abst.
		JP	02-287317			11/27/90		Abst.
		JP	06-018887			01/28/94		Abst.
		EP	0 376 030			12/1988		
		JP	3-276122			12/06/91		Full
		JP	52-037249			03/23/77		Full

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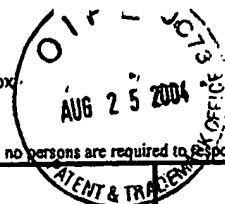
<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
HN ↓ HN		JP	64-091172			04/10/89		Full
		JP	2-118517			05/02/90		Full
		JP	04-140714			05/14/92		Abst.
		JP	51-037249			03/29/76		Abst.
		JP	03-031821			02/12/91		Full
		JP	02-287317			11/27/90		Full
		JP	05-158045			06/25/93		Abst.
		JP	04-355726			12/09/92		Abst.

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HN		M. Nishikawa et al., "Alignment Layers for Active Matrix LCD," The Technical Report of the Proceedings of the Institute of Electronics, Information and Communication Engineers, Vol. 91, No. 467, pp. 13-18, February 13, 1992.			

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